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## Claims

1. Magnetic inductive flowmeter comprising a measuring distance that is surrounded by a wall, a magnetic field generating device and an electrode device, which has at least one electrode on the inside of the wall and an electrode connection on the outside of the wall, characterized in that the electrode connection (18) is connected to the electrode (11) via a plug-type connection and the electrode connection (18) fixes the electrode (11) to the wall (4).
2. Flowmeter according to Claim 1, characterized in that the plug-type connection is configured inside the wall (4).
3. Flowmeter according to Claim 1 or 2, characterized in that the electrode connection (18) is surrounded, at least outside the wall (4), by a metallic shield (23).
4. Flowmeter according to one of Claims 1 to 3, characterized in that the electrode (11) has one part (16, 42, 47) of a barb connection, which holds it in position.
5. Flowmeter according to Claim 4, characterized in that the barb connection is configured between the electrode (11) and the electrode connection (18).
6. Flowmeter according to Claim 5, characterized in that the barb connection is designed as a snap connection (16, 21; 22, 43), in which a first connection element (21, 42), which is designed as a spring, is locked into place behind a second connection element (16, 43).

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7. Flowmeter according to Claim 6, characterized in that the first connection element (42) is configured as a ring with interruptions (3), which is surrounded by an annular spring (41).

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8. Flowmeter according to Claim 6, characterized in that the second connection element (16) is supported on the wall of a cylindrical hole.

10 9. Flowmeter according to Claim 8, characterized in that the second connection element (16) is configured on the electrode (11).

15 10. Flowmeter according to one of Claims 5 to 9, characterized in that a spring arrangement (31, 44) that stresses the electrode connection (18) in a direction away from the electrode (11), acts upon the electrode connection (18).

20 11. Flowmeter according to Claim 10, characterized in that the spring arrangement (31) acts upon the shield (23) and pushes it against the outside (27) of the wall (4).

25 12. Flowmeter according to Claim 10 or 11, characterized in that the shield (23) with a ring surface (26) is located outside the spring arrangement (31) on the outside (27) of the wall (4).

30 13. Flowmeter according to one of Claims 1 to 12, characterized in that the electrode connection is in one piece and is connected directly to a signal conductor.